

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/003237

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/10, C12P21/02, C12Q1/68, G01N33/15, G01N33/50, G01N33/53

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C12N15/00-90, C07K14/00-19/00, C12N1/10-9/99, C12P1/00-41/00, C12Q1/00-70, G01N33/00-98

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

BIOSIS/MEDLINE/WPIDS (STN), GenBank/EMBL/DDBJ/Geneseq

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2002/103042 A2 (EPIGENOMICS AG.), 27 December, 2002 (27.12.02) & JP 2004-529661 A & US 2003/0113750 A1 & EP 1395686 A2	10,11
X	HATTORI, M. et al., The DDBJ/EMBL/GenBank database [online]; Submitted (10 March, 2000 (10.03.00)), Accession No.AP001384	10,11
X	SASAKI, T. et al., "The genome sequence and structure of rice chromosome.", Nature, Vol.420, (2002), pages 312 to 316	10,11
X	SASAKI, T. et al., The DDBJ/EMBL/GenBank database [online]; Submitted (19 February, 2001 (19.02.01)), Accession No.AP003208	10,11

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O"	document referring to an oral disclosure, use, exhibition or other means
"P"	document published prior to the international filing date but later than the priority date claimed
"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search
19 July, 2005 (19.07.05)Date of mailing of the international search report
20 September, 2005 (20.09.05)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Quackenbush, J. et al., "Sequence analysis of a rainbow trout cDNA library and creation of a gene index.", Cytogenet. Genome Res., Vol.102, No.1-4, (2003), pages 347 to 354	10,11
X	DOE Joint Genome Institute and Stanford Human Genome Center, The DDBJ/EMBL/GenBank database [online]; Submitted (19 June, 2002 (19.06.02)), Accession No.AP003208	10,11
X	Birren, B. et al., The DDBJ/EMBL/GenBank database [online]; Submitted (04 May, 2000 (04.05.00)), Accession No.AC068591	10,11
X	Tromans, A., The DDBJ/EMBL/GenBank database [online]; Submitted (17 June, 2003 (17.06.03)), Accession No.AL844840	10,11
A	NISHIKAWA, T. et al., "Solution structure of a telomeric DNA complex of human TRF1.", Structure(Camb), Vol.9, No.12, (2001), pages 1237 to 1251.	1-13
A	Griffith J.D. et al., "Mammalian telomeres end in a large duplex loop.", Cell, Vol.97, No.4, (1999), pages 503 to 514	1-13
A	Karlseder J. et al., "Senescence induced by altered telomere state, not telomere loss.", Science, Vol.295, No.5564, (2002), pages 2446 to 2449.	1-13